

FILE NOTATIONS

Entered In NID File ✓

Entered On S R Sheet ✓

Location Map Pinned ✓

Card Indexed ✓

I W R for State or Fee Land _____

Checked by Chief ✓

Copy NID to Field Office ✓

Approval Letter ✓

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 9-28-57

Location Inspected _____

OW _____ WW _____ TA _____

Bond released _____

GW _____ OS _____ PA X

State of Fee Land _____

LOGS FILED

Diller's Log 10-10-57

Electric Logs (No.) 1

E ✓ I _____ E-I _____ GR _____ GR-N _____ Micro _____

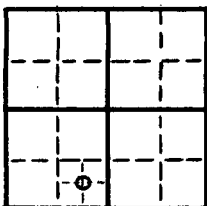
Lat _____ Mi-L _____ Sonic _____ Others _____

5/0

WILLIAM J. COLMAN

ELGIN 9-6111

1037 FIRST SECURITY BLDG.
SALT LAKE CITY, UTAH



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

STATE CAPITOL BUILDING
 SALT LAKE CITY 14, UTAH

Fee and Patented.....☐
 State☐
 Lease No.
 Public Domain☒
 Lease No. **08041**
 Indian☐
 Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well.....	<input checked="" type="checkbox"/> 	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History.....
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(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 3, 19 57

Well No. One is located 660 ft. from $\left\{ \begin{smallmatrix} N \\ S \end{smallmatrix} \right\}$ line and 1980 ft. from $\left\{ \begin{smallmatrix} E \\ W \end{smallmatrix} \right\}$ line of Sec. 21

SE 1/4 - 21 22 South 19 East SLB&M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

W. C. Grand Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4654 feet.

A drilling and plugging bond has been filed with ~~General Surety & Insurance Corp.~~ **USGS**

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Mancos	w	Surface		
Ferron	-	550'		Casing: 9-5/8" 32# @ 180' w 100 sx
Dakota	-	1000'		Spud: July 10, 1957
Morrison	-	1150'		Rotary Tools.
San Rafael Group	-	1950'		Mud: Mix Gel base mud at 800 feet.
Glen Canyon Group	-	2400'		
Chinle	-	3200'		
Shinarump	-	3600'		
Moenkop	-	3900'		
Paradox	-	4100'		

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company J. E. Menor and George Aubrey

Address 1645 Court Place

Denver 2, Colorado

By

Title Partners

J. E. Menor

George Aubrey

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Company J.E. MENOR-GEORGE AUEREY

Lease GOVERNMENT

Well No. 1

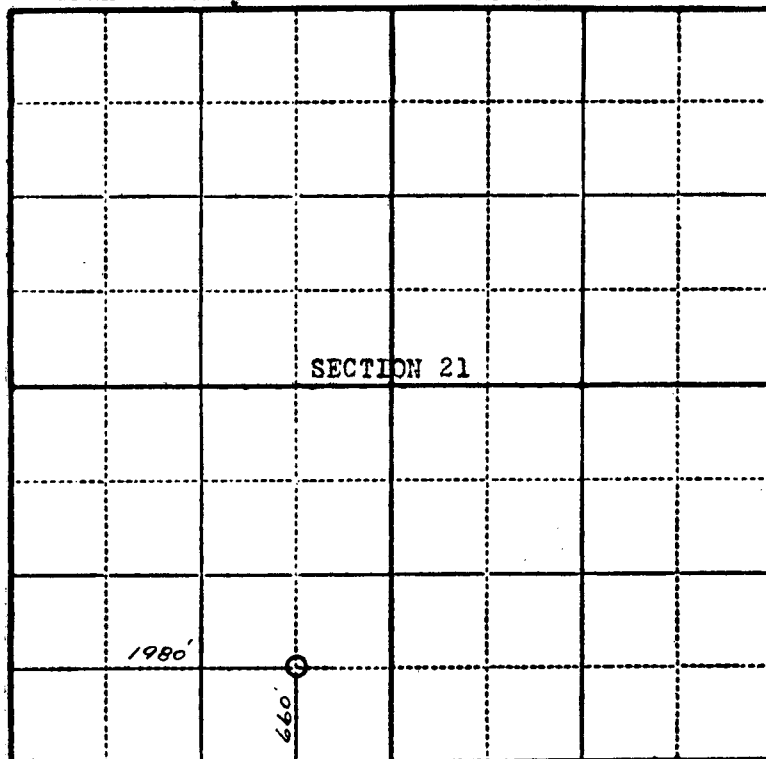
Sec. 21 T. 22 S. R. 19 E. S1E1

Location 660 feet from south line; 1980 feet from west line; being in C SE $\frac{1}{4}$ SW $\frac{1}{4}$

Elevation: 4644 GL

Grand County

Utah



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Stephen H. Kinney

STEPHEN H. KINNEY
Registered Professional
Engineer and Land Surveyor

Surveyed July 1, 1957



July 8, 1957

J. E. Menor and George Aubrey
c/o William J. Colman
1037 First Security Bldg
Salt Lake City, Utah

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. 1, which is to be located 660 feet from the south line and 1980 feet from the west line of Section 21, Township 22 South, Range 19 East, SEEM, Grand County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
SECRETARY

CBF:en

cc: Don Russell, Dist. Eng.
U.S.G.S. Federal Bldg.
Salt Lake City, Utah

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION

AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

*Noted
Court
10-7-57*

PLUGGING METHODS AND PROCEDURE: - The methods and procedure for plugging a well shall be as follows:

- (a) The bottom of the hole shall be filled to, or a bridge shall be placed at the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.
- (b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
- (c) A plug shall be placed at or near the surface of the ground in each hole.
- (d) The interval between plugs shall be filled with heavy mud laden fluid.
- (e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Wildcat County Grand

Lease Name Government Well No. #1 Sec. 21 Twp 22S R. 19E

Date well was plugged: September 28, 1957.

Was the well plugged according to regulation of the Commission? yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole. (giving size, top and bottom elevations of each section of abandoned casing)
Well was plugged by Howco. Plugs were set w/25 sx regular Ideal port-
land cement at following intervals:
155-220 Base of surface casing. 710-775 Above Dakota ss.
1594-1673 Above Entrada ss. 3219-3300 Above Wingate-Kayenta sss.
No flows of water or shows of oil and gas encountered. Above sand-
stones showed some evidence of water saturation on electric logs.
Space between plugs are filled w/9.6# Chem-gel base mud.

JAMES E. MENOR & GEORGE AUBREY
OPERATOR

Operator James Menor-George Aubrey
Address 1645 Court Place
Denver 2, Colorado

By Howard R. Ritzma
Howard R. Ritzma, Representative

AFFIDAVIT

STATE OF ~~UTAH~~ COLORADO)
) SS
COUNTY OF DENVER)

Before me, the undersigned authority, on this day personally appeared HOWARD R. RITZMA, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me this 1st day of October, 1957.

My Commission expires:

My Commission expires March 28, 1959

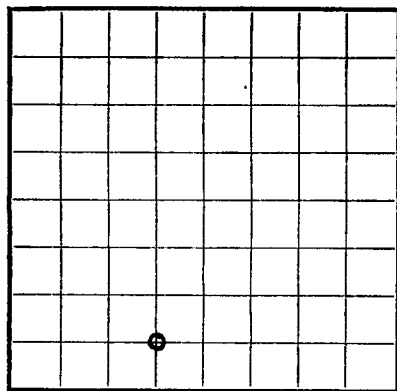
Lorraine M. O'Brien
NOTARY PUBLIC

INSTRUCTIONS: Complete this form in duplicate and mail both copies to the Oil & Gas Conservation Commission, Room 140, State Capitol, Salt Lake City 14, Utah.

U. S. LAND OFFICE

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company James Menor-George Aubrey Address 1645 Court Place
Denver 2, Colorado
Lessor or Tract Government Field _____ State Utah
Well No. 1 Sec. 21 T. 22S R. 19E Meridian Salt Lake County Grand
Location 660 ft. {N.} of S Line and 1980 ft. {E.} of W Line of Sec. 21 Elevation 4654 D.F.
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Howard R. Ritman

Date October 17, 1957 Geologist

The summary on this page is for the condition of the well at above date.

Commenced drilling July 14, 1957 Finished drilling September 28, 1957
120 - 330 Job of mudstone
110 - 122 Job of oil sands or zones
122 - 330 2 miles away
(Derrick gas by G)

No. 1, from None to 330 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

1-33' 8-38 Drilled 1-100 ft. water sands
No. 1, from None to _____ No. 3, from _____ to _____
1-30' 33 Drilled 8-3/4" pipe to 300'
No. 2, from _____ to _____ No. 4, from _____ to _____

1-11 Cemented 8-2" casing to 100 ex.

Size casing	Weight per foot	Threads per inch	Material	Length of string	Depth of string	Perforated		Purpose
						From—	To—	
<u>9-5/8 O.D.</u>	<u>32.30</u>	<u>H-40</u>	<u>Spang seamless</u>	<u>100 ex.</u>	<u>300'</u>			
<p>of casing, if kind of pipe used, and in test for water, state kind of material used, position and location of casing, and if any casing was used, state in detail the kind of casing used, and if any casing was used, state in detail the kind of casing used, and if any casing was used, state in detail the kind of casing used.</p>								
<p>It is of the greatest importance to have a complete history of the well. Please state in detail the kind of casing used, and if any casing was used, state in detail the kind of casing used, and if any casing was used, state in detail the kind of casing used.</p>								
HISTORY OF OIL OR GAS WELL								

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>9-5/8</u>	<u>0-100</u>	<u>100 ex. 2% CaCl</u>	<u>Howco</u>		

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

9-5/8 0-186 100 sx. 2% CaCl Howco

PLUGS AND ADAPTERS

Heaving plug—Material **None** Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
None						

TOOLS USED

Rotary tools were used from **Surface** feet to **4910 T.D.** feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
 emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	535	535	Mancos shale
535	630	95	Ferron Sandstone
630	760	130	Mancos shale (lower)
760	905	145	Dakota formation
905	1565	660	Morrison formation
1565	1665	100	Summerville formation
1665	2040	375	Entrada sandstone
2040	2180	140	Carmel formation
2180	3095	915	Navajo sandstone
3095	3505	410	Kayenta formation
3505	3905	400	Wingate sandstone
3905	4330	425	Chinle formation
4330	4345	15	Shinarump formation
4345	4910 T.D.	565	Moenkopi formation

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

7-14, 17 Spud. Drilled 13-3/4" hole to 200.

7-17 Cemented 9-5/8" casing @ 186 w/100 sx.

7-20, 22 Drilled 8-3/4" hole to 800.

7-22, 9-23 Drilled 7-7/8" hole to 4910.

Plugged and abandoned 9/28/57 by Howco.

4 plugs @ 25 sx set at

155 - 220 Surface casing

710 - 755 Top of Dike 672 34.02 03 EOV 18

1594 - 1673 Top of Entrada ss

3219 - 3300 Top of Wingate ss.

9.5 mud fills intervals between plugs set above.

TOG OL OF OS GVA MFT

ГЕОЛОГИЧЕСКОЕ

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR PERMIT TO PROCEED.

SECRET - NOFORN 7-3 8 6 1

NEW YORK OFFICE - 100-100000

7801 10/10/84 ZP 45 11-3223

Notes
C.M.H.
10-15-57

WELL HISTORY

NORTHWEST SALT VALLEY ANTICLINE

James Menor-George Aubrey #1 Government

SE SW Section 21, T. 22 S., R. 19 E., Grand County,

Utah (660' f SL, 1980' f WL)

Federal Lease #U-08041

Elevation: 4644' gr., 4654' D.P., (4658' D.P.-Powers)

Spud: 7-14-57 Completed: 9-28-57 (P. & A.)

9 5/8" Casing @ 186' W/100 Sx.

T.D. 4910 in Moenkopi or Cutler (?) formation.

Contractor: Barron Drilling Company

-
- 7-11-57 Moved on to location. Rigging up. Working on pump.
7-12-57 Rigging up.
7-13-57 Rigging up.
7-14-57 Rigging up. Drilled 13 3/4" surface hole to 40'. Lost circulation.
7-15-57 Dropped sledge hammer in hole. Fished successfully. Drilled 13 3/4" surface hole to 188'. Hole caved at 75' while coming out. Washed to bottom. Stuck pipe.
7-16-57 Washed drill collar loose. Reamed with 12 1/4" Reed reamer to 103'. Repair and service rig.
7-17-57 Reamed from 103 to 200'. Started out of hole. Pipe stuck. Pulled out of hole. Ran 186' (6 joints 9 5/8", O.D., 8nd, 32.30#, H-40, Spang seamless) casing (Range 2, S.T. & C.) Cemented by Halliburton with 100 sacks regular cement with 2% CaCL. Waiting on cement. Repair and service rig. Nippling up.
7-18-57 Nippled up. Ran 4 drill collars and 1 joint of drill pipe in hole. Test casing with 500#. Test o.k. Drilled 10' cement. Waiting on parts. Mixed mud and chemicals.
7-19-57 Waiting on parts. Rig service.
7-20-57 Repaired #1 motor. Drilled cement, float and guide shoe. Begin drilling at 6:30 A.M. Drilled 8 3/4" hole to 539. Surveys @ 500-4 3/4°, 530-4 3/4°.
7-21-57 Drilled to 656. Drilled 7 7/8" hole 618-628 in attempt to straighten hole. Reamed back to 628 with 8 3/4" bit and continued drilling 8 3/4" hole. Surveys @ 594-4 1/2°, 615-4 3/4°, 628-4 1/2°, 650-4 3/4°.
7-22-57 Drilled to 818. Reduced hole to 7 7/8" at 800'. Slow drilling to correct crooked hole. Several periods of down time for rig service and repairs. Surveys @ 594-4 1/2°, 615-4 3/4°, 628-4 1/2°, 650-4 3/4°.

10-15-57

7-23-57 Drilled to 849. Slow drilling to correct crooked hole. Numerous periods of down time for rig service and repairs. Survey @ 840-4°.

7-24-57 Drilled to 903. Rig down 8 hours for repairs. Surveys @ 870-3°, 900-2 3/4°.

7-25-57 Drilled to 1045. Numerous periods of down time for rig repairs and service. Surveys @ 927-3°, 990-3°, 1045-2°.

7-26-57 Drilled to 1184. Survey @ 1100-2 3/4°.

7-27-57 Drilled to 1325. Surveys @ 1200-3°, 1260-2 3/4°, 1303-2 1/4°.

7-28-57 Drilled to 1451. Surveys @ 1347-3°, 1380-2 3/4°.

7-29-57 Drilled to 1562. Surveys @ 1440-2 3/4°, 1500-2 3/4°.

7-30-57 Drilled to 1674. Surveys @ 1623-3°, 1665-3°.

7-31-57 Drilled to 1762. Survey @ 1762-2 3/4°.

8-1-57 Drilled to 1896. Surveys @ 1810-2 3/4°, 1887-2 3/4°.

8-2-57 Drilled to 2084. Surveys @ 1980-2 1/4°, 2055-2°.

8-3-57 Drilled to 2221. Survey @ 2150-1 1/4°.

8-4-57 Drilled to 2297. Survey @ 2265-2 1/4°.

8-5-57 Drilled to 2425. Survey @ 2350-2 3/4°.

8-6-57 Drilled to 2518. Surveys @ 2447-2 3/4°, 2518-3 1/4°.

8-7-57 Drilled to 2619. Survey @ 2570-3 1/4°.

8-8-57 Drilled to 2746. Survey @ 2695-2 1/4°.

8-9-57 Drilled to 2860. Survey @ 2820-1 1/4°.

8-10-57 Drilled to 2978. Survey @ 2945-1 3/4°.

8-11-57 Drilled to 3092. Survey @ 3090-1 1/4°.

8-12-57 Drilled to 3191.

8-13-57 Drilled to 3247. Steel line correction @ 3261. 3261=3247. Survey @ 3247-3/4°.

8-14-57 Drilled to 3340. Survey @ 3330-1°.

8-15-57 Drilled to 3407. Drilled 3375-3407 with one motor.

8-16-57 Drilled to 3442. Drilled 3407-3442 with one motor. Shut down for repairs. Waiting on parts.

8-17-57 Shut down. Waiting on parts.

8-18-57 Drilled to 3503. Survey @ 3442-3/4°.

8-19-57 Drilled to 3603. Survey @ 3603-1 1/4°.

8-20-57 Drilled to 3694. No survey.

8-21-57 Drilled to 3780. No survey.

8-22-57 Drilled to 3854. Survey @ 3780 - no result.

8-23-57 Drilled to 3900. Survey @ 3890-1 3/4°.

8-24-57 Drilled to 3954. Survey @ 3950-1°.

8-25-57 Drilled to 3964. Down for repairs 6:30 P.M., 8-24 to 2 P.M. 8-25.

8-26-57 Drilled to 4009.

8-27-57 Drilled to 4045. Survey @ 4029-1°.

8-28-57 Drilled to 4111. Survey @ 4106-3/4°.

8-29-57 Drilled to 4167.
 8-30-57 Drilled to 4221.
 8-31-57 Drilled to 4270. Survey @ 4259-1 $\frac{1}{4}$ °.
 9-1-57 Drilled to 4333.
 9-2-57 Drilled to 4408. Survey @ 4350-2 $\frac{1}{4}$ °.
 9-3-57 Drilled to 4454. Survey @ 4429-3 $\frac{3}{4}$ °.
 9-4-57 Drilled to 4519. Survey @ 4510-4°.
 9-5-57 Drilled to 4571.
 9-6-57 Drilled to 4591. Ran electric log to 4591.
 7 to 12 Rig repairs.
 9-13-57 Resumed drilling @ 7 A.M. Drilled to 4631.
 9-14-57 Drilled to 4675.
 9-15-57 Drilled to 4703. Survey @ 4703-4°. Stuck pipe on
 way out of hole.
 9-16-57 Worked pipe loose at 6:20 A.M. Finished trip. Shut
 down waiting on orders.
 9-17-57 Rearranged drill pipe. Tested surface casing. Went
 back into hole. Drilled to 4723.
 9-18-57 Drilled to 4761. Stuck pipe on way out of hole.
 9-19-57 Finish trip. Drilled to 4810.
 9-20-57 Drilled to 4848. Survey @ 4819-3 $\frac{1}{2}$ °.
 9-21-57 Drilled to 4858. Ran Schlumberger electric log and
 dipmeter.
 9-22-57 Changing from 3 $\frac{1}{2}$ " drill pipe to 2 $\frac{1}{2}$ " flush joint drillpipe.
 9-23-57 Changing from 3 $\frac{1}{2}$ " drill pipe to 2 $\frac{1}{2}$ " flush joint drillpipe.
 9-24-57 Finished picking up drillpipe. Drilled to 4879.
 9-25-57 Drilled to 4904.
 9-26-57 Drilled to 4910. Stuck pipe on way out of hole.
 9-27-57 Worked pipe free. Bit apparently became unscrewed in
 working stuck pipe and dropped to bottom. Drill
 collar float broken and jammed in drill collar.
 Surface casing fragmented and pieces scattered to
 bottom of hole. Waiting on orders and preparing to
 abandon.
 9-28-57 Plugged and abandoned by Howco. 4 plugs @ 25 sx set at
 3300-3219, 1673-1594, 775-710, 220-155. Surface plug
 and marker secured.

Respectfully submitted,

Howard R. Ritzma
 Consulting Geologist

FORMATION LOG

Notes
10-15

NORTHWEST SALT VALLEY ANTICLINE

James Menor-George Aubrey #1 Government
SE SW Section 21, T. 22 S., R. 19 E., Grand County,
UTAH (660' f SL, 1980' f WL)
Federal Lease #U-08041
Elevation: 4644' gr., 4654' D.F., (4658' D.F.-Powers)
Spud: 7-14-57 Completed: 9-28-57 (P. & A.)
9 5/8" Casing @ 186' W/100 Sx.
T.D. 4910 in Moenkopi or Cutler(?) formation.
Contractor: Barron Drilling Company

From	To	Samples begin @ 300'.
300	325	Shale, black; trace sandstone, very fine grained, limy; trace calcite crystals.
325	400	Shale, black; abundant calcite crystals; trace bentonite. (Occasional faint oil stain and spotty fluorescence in calcite crystals.)
400	425	Shale, black; abundant calcite crystals; trace sandstone, very fine grained, hard and tight.
425	450	Shale as above 80%; bentonite 20%; tr. calcite and sandstone as above.
450	475	Shale as above becoming slightly silty and sandy (small increase in gas content of mud recorded on Baroid gas logger, 450-68.)
475	500	Shale, dark gray to black, silty to sandy, finely glauconitic; trace sandstone, very fine grained hard and tight.
500	525	Shale as above; trace sandstone as above; trace calcite.
525	535	Shale as above 80%; sandstone, dark gray to black, very fine grained to fine grained, junky, pyritic, glauconitic 20%.
TOP OF FERRON SANDSTONE		
535	540	Sandstone, dark gray to black, very fine grained to fine grained, junky, clayey and soft, glauconitic 80%; shale, black 20%.
540	550	Shale, black, silty 60%; sandstone as above 20% bentonite 20%.
550	570	Shale as above 80%; bentonite 20%.
570	580	Shale, black 70%; bentonite 30%.
580	610	Shale as above 90%; bentonite 10%.
TOP OF MAIN BENCH OF FERRON SANDSTONE		
610	630	Sandstone, light gray to black, fine grained, junky, some clayey and soft, some glassy and tight,

From	TO	
610 (Continued)	630	glauconitic 90%; Sandstone, white to light gray, fine grained, salt and pepper textured, hard and tight 10%. (Strong kick of gas on Baroid gas logger 610-13.)
630	640	Shale, dark gray to black, silty to sandy, glauconitic, micaceous, pyritic 80%; sandstone as above 20%.
640	720	Shale, black, silty, fine glauconitic in part; trace sandstone as above; trace bentonite.
720	730	Shale, black, slightly silty 70%; bentonite 30%.
730	750	Shale, black; trace bentonite.
750	760	Shale, black; trace bentonite; trace medium size quartz grains (Dakota?).
TOP OF DAKOTA SANDSTONE (757, drilling time)		
760	775	Sandstone, white, fine to medium grained, fairly well sorted, few dark grains, sub-rounded to rounded grains, clayey to siliceous cement, slightly limy, good porosity, appears water saturated. (No show on Baroid logger. No fluorescence, stain or odor.)
775	780	Claystone, gray-green, pyritic in part; trace chert fragments, reddish-orange. (Top of claystone @ 778)
780	790	Claystone as above 60%; clay, white and tan, very soft 40%; trace chert as above; trace quartz grains.
790	840	Claystone as above; trace chert as above; trace quartz grains.
840	880	Claystone as above 50%; clay, white and tan, very soft 50%; trace chert as above; trace quartz grains.
TOP OF LOWER BENCH OF DAKOTA SANDSTONE		
880	898	Sandstone, white, fine grained, poorly sorted, angular to sub-rounded grains, few dark grains, clayey to siliceous cement, very limy in part, spotty porosity, appears water saturated. (No show on Baroid logger. No fluorescence, stain or odor.)
TOP OF MORRISON FORMATION		
898	910	Claystone, variegated, some slightly sandy (mostly pale green and tan with trace of red and maroon); tr. coarse quartz grains.
910	950	Claystone, variegated, some slightly sandy 80%; clay, white, soft 20%; trace quartz grains.
950	970	Claystone as above 50%; sandstone, white, fine grained, poorly sorted, very limy, tight 50%.

From	To	
970	980	Sandstone, white, fine to medium grained, some well sorted, some angular grains and poorly sorted, clayey, very limy, tight.
990	1010	Claystone, variegated (mainly maroon); trace sandstone as above.
1010	1040	Claystone, variegated; trace sandstone; trace chert fragments; trace limestone, gray, dense.
1040	1070	Claystone as above 50%; sandstone, white, fine to medium grained, poorly sorted, clayey, very limy in part, abundant orange quartz grains, tight 50% (No shows of any sort).
1070	1080	Sample missing.
1080	1090	Sandstone, white, gray and pink, medium to coarse grained, conglomeratic (yellow, orange and red chert pebbles), soft, clayey, limy in part. (no shows of any sort).
1090	1130	Claystone, variegated; trace sandstone as above; trace coarse chert fragments.
1130	1140	Claystone as above 80%; sandstone, white, medium to coarse grained 20%.
1140	1160	Claystone, variegated as above 60%; clay, white soft, limy 40%; trace chert fragments and quartz grains.
1160	1260	Claystone, variegated; trace chert and quartz as above (Claystone changes to dominant dark red and maroon below 1190)
1260	1270	Claystone, variegated 70%; clay, white, soft 30% trace chert and quartz as above.
1270	1280	Sample missing.
1280	1295	Claystone as above 80%; sandstone, white through pale green, yellow and orange, fine grained, poorly sorted, clayey, limy in part, tight 20%.
TOP OF SALT WASH SANDSTONE MEMBER OF MORRISON FORMATION		
1295	1300	Claystone as above 50%; sandstone as above 50%.
1300	1320	Sandstone as above 70%; claystone as above 30%. (No shows of any sort)
1320	1340	Claystone, variegated 60%; sandstone as above 40%.
1340	1360	Claystone as above 80%; sandstone as above 20%.
1360	1370	Claystone as above 70%; sandstone as above 10%, clay, white, soft 20%.
1370	1375	Claystone as above 70%; sandstone, white to gray, fine grained, well sorted, limy in part, hard, tight 30%.
1375	1380	Claystone as above 60%; sandstone as above 40%.
1380	1400	Claystone as above 80%; sandstone as above 20%.

From	To	
1400	1410	Claystone, variegated, some silty to sandy 90%; sandstone as above 10%.
1410	1450	Sandstone, white to pale red, fine to occasionally coarse grained, abundant orange-yellow quartz and chert grains, fairly well sorted, porous, limy (no shows of any sort - appears water saturated).
1450	1463	Shale, variegated (mainly maroon).
1463	1470	Sandstone, white to pale red and gray-green, fine to medium grained, limy, well sorted, porous 70%. (No shows of any sort - appears water saturated). Shale as above 30%.
1470	1490	Sandstone as above 60%; claystone, variegated (mainly maroon) 40%.
1490	1500	Sandstone as above, becoming more pale orange and arkosic ? 50%; claystone as above 50%.
1500	1510	Claystone as above 70%; sandstone as above 10%; limestone, gray-green, dense, silty 20%.
1510	1540	Claystone, variegated (mainly maroon), some silty to sandy, micaceous; trace sandstone as above, trace limestone as above.
1540	1550	Claystone as above 50%; sandstone, white to pale green, fine grained, poorly sorted, tight 30%; trace limestone as above.
1550	1580	Sandstone, white to light gray, fine grained, well sorted and rounded grains, limy, few yellow and orange grains, hard, tight 70% (No shows of any sort); claystone, variegated 30%.
TOP OF SUMMERVILLE FORMATION		
1580	1590	Claystone, variegated (gray-green and maroon), some silty, sandy and micaceous 60%; sandstone as above 40%.
1590	1610	Claystone as above 90%; limestone, gray-green, dense 10%; trace sandstone as above.
1610	1630	Claystone, variegated, becoming more maroon with less gray-green, some silty, sandy and finely micaceous; trace limestone as above; trace sandstone as above.
1630	1640	Claystone as above with occasional coarse quartz grain inclusion 90%; limestone, gray, dense 10%.
1640	1650	Claystone as above 90%; sandstone, white to gray, fine grained, hard, tight 10% (Paint fluorescence in few sandstone cuttings. May be mineralization. No show on Baroid gas logger.)
1650	1660	Claystone, dark red, soft, silty to sandy, common quartz grain inclusions, finely micaceous, 70% sandstone, white to pale green and red, fine grained, limy, hard, tight 30% (No shows of any sort).

From	To	
1660	1665	Sandstone, white to red, fine to medium grained, soft, friable, limy (No shows).
1665	1670	Claystone, dark red, soft, silty, sandy, micaceous, common quartz grain inclusions.
1670	1680	Claystone as above 80%; sandstone, white, tan, pale pink, fine to medium grained, well rounded sorted grains, few orange grains, friable, porous 20% (No shows of any sort. Appears water flushed).
TOP OF ENTRADA SANDSTONE (1678, drilling time)		
1680	1780	Sandstone, white, tan, pale pink to occasionally orange, fine to medium grained, well rounded sorted grains, few coarse orange grains, variably limy, friable, porous (No shows. Appears water saturated. Interval 1680-1780 represents Moab sandstone tongue of Entrada).
1780	1970	Sandstone as above becoming strongly colored to salmon orange. (Poor samples 1800-1970)
1970	2050	Sandstone as above; trace calcite crystals; trace limestone, gray, dense, sandy.
TOP OF CARMEL FORMATION		
2050	2070	Shale, maroon to red-brown, silty, micaceous; trace limestone, gray, dense; trace gypsum.
2070	2080	Shale as above 90%; limestone as above 10%; trace gypsum.
2080	2090	Shale as above; trace limestone as above.
2090	2100	Shale as above becoming silty and sandy.
2100	2110	Shale as above becoming very sandy 70%; sandstone, orange, fine grained 30%.
2110	2120	Sandstone, salmon orange to pale orange, fine to occasionally medium grained, variably limy, friable, porous (No shows).
2120	2160	Sandstone as above 50%; shale, red, sandy 50%.
TOP OF NAVAJO SANDSTONE		
2160	2650	Sandstone, salmon orange becoming pale orange to white, fine to occasionally medium grained, variably limy, friable, porous, limonitic sandstone streaks @ 2520-40, 2560-70. (No shows. Poor samples 2580-2640).
2650	2700	Sandstone as above becoming strongly colored to salmon orange.
2700	2820	Sandstone as above (Poor samples with 30 to 50% cavings).
2820	2940	Sandstone, salmon orange, fine to occasionally medium grained, variably limy, friable, porous. (Poor samples 2910-40).
2940	3070	Sandstone, salmon orange to pinkish brown, fine to occasionally medium grained, very friable, porous, occasional limy streaks (Poor samples 3020-70).

From	To	
3070	3090	Sandstone as above becoming pale pink to white 90%; gypsum, white flaky, finely silty 10%.
TOP OF KAYENTA FORMATION		
3090	3230	Sandstone, pink, purple and red, very fine to occasionally coarse grained, micaceous in part.
STEEL LINE CORRECTION 3261 = 3247		
3230	3270	Sandstone, pale pink to orange to red-purple, very fine to occasionally coarse grained, clayey, limy, very poorly sorted, angular grains, coarse quartz grains and fragments 80%; shale, red, maroon and red-purple, silty to sandy, micaceous in part 20%.
3270	3290	Sandstone as above with color range from white through red, occasionally finely speckled with hornblende and magnetite and finely micaceous 90%; shale as above 10%; trace coarse quartz grains. (Spotty faint fluorescence. No cut with CCL4. No show on Baroid logger.)
3290	3300	Sandstone as above 70%; shale, red and maroon with strong increase in gray-purple color 30%; trace gypsum; trace coarse calcite crystals.
3300	3310	Sandstone as above 50%; shale as above 50%. (Sandstone and shale have strong gray-purple color. Spotty dead oil residue. No cut. No shows.)
3310	3330	Sandstone as above 70%; shale as above 30% trace gypsum. (Spotty dead oil residue. No cut. No shows.)
3330	3340	Shale as above 50%; sandstone as above 40%; clay, maroon soft, gypsiferous 10%, trace gypsum.
3340	3360	Sandstone, white, pale pink and purple, fine to medium grained, poorly sorted, many angular grains, clayey and tight in part, some slightly limy, occasionally coarsely micaceous, green clay pellets 60%; shale, red to maroon, silty to sandy, some green, clayey 30%; clay, maroon soft 10%.
3360	3370	Sandstone as above (No shows of any sort).
3370	3380	Sandstone as above 80%; shale, red to maroon, silty to sandy, micaceous 20%.
3380	3390	Sandstone, white to purple (little orange and mostly pink, pale red and pale purple), fine to medium grained, poorly sorted, green clay inclusions 60%; shale, red to maroon, silty to sandy, some green clayey 40%; trace gypsum.
3390	3400	Sandstone as above 80%, shale as above 20%; trace gypsum.
3400	3420	Sandstone as above 90%, shale as above 10%; trace gypsum.

From	To	
3420	3430	Sandstone as above 60%, shale as above 40%; trace gypsum.
3430	3440	Sandstone as above 80%, shale as above 20%; trace gypsum.
3440	3450	No sample.
3450	3460	Shale, red to maroon, silty to sandy, some green, clayey 70%; sandstone as above 20%; clay, maroon, soft 10%.
3460	3470	Sandstone as above, becoming more orange 60%; shale as above 30%; gypsum, white, flaky 10%; trace limestone.
3470	3480	Sandstone as above 70%; shale as above 30%; trace gypsum.
3480	3490	Shale as above 80%; sandstone as above 20%; trace gypsum. (Increase in lavender and purple shale 3480-90)
3490	3500	Shale, variegated but mainly maroon and lavender, some silty to sandy, some clayey 90%; sandstone as above 10%; trace gypsum.
TOP OF WINGATE SANDSTONE		
3500	3520	Sandstone, white to orange, very fine to occasionally medium grained, poorly sorted, black mineral specks abundant 60%; shale as above 40%; trace gypsum.
3520	3525	Sandstone, white to pale pink, fine to medium grained, well sorted, slightly limy. 90%; shale as above 10%.
3525	3530	Sandstone as above becoming more orange colored. 70% shale as above 30% (Shale appears to be cavings).
3530	3660	Sandstone, white to orange, very fine to medium grained, poorly sorted, silty, occasional coarse grains, black mineral specks; trace dolomite @ 3550-70 (Sandstone becoming more orange @ 3590. Samples 40 to 50% cavings.)
3660	3670	Sample missing.
3670	3750	Sandstone as above (Samples 20 to 40% cavings).
3750	3840	Sandstone, white to pale orange, very fine to fine grained, silty, occasional coarse quartz grains and dark mineral specks (Samples 30 to 60% cavings).
TOP OF CHINLE FORMATION		
3840	3860	Shale and claystone, variegated (mainly dark red and maroon with green and lavender) 80%; sandstone as above 20%.
3860	3870	Shale and claystone as above 90%; sandstone as above 10%; trace limestone, gray to purple, dense.
3870	3880	Shale and claystone as above 80%; siltstone, red-orange, slightly limy, micaceous, dense 20%; trace limestone as above.

From	To	
3880	3890	Siltstone as above 70%; shale and claystone as above 30%.
3890	3900	Siltstone as above becoming limy and more pink, red and purple colored. 80%; shale and claystone as above 20%.
3900	3920	Siltstone as above but more red-orange colored, very limy 90%; shale and claystone as above 10%.
3920	3930	Siltstone, pale orange to red orange, very limy 80%; shale and claystone as above 20%.
3930	3950	Siltstone as above 70%; shale and claystone as above 30%; trace limestone, white to gray, silty, flaky.
3950	3960	Siltstone as above 50%; shale and claystone as above 50%; trace limestone as above.
3960	3970	Siltstone as above 60%; shale and claystone as above 40%.
3970	3980	Siltstone as above 40%; shale and claystone, variegated (dominantly maroon and green), some limy 30%; limestone, white, pale pink, purple, pale orange, dense, silty to occasionally sandy 30%.
3980	3990	Limestone, variegated (white, pink, red, purple, orange) dense, silty to occasionally sandy 90%; shale and claystone, variegated (dominantly maroon and green), some limy 10%.
3990	4030	Limestone as above but becoming more orange colored 80%; shale and claystone as above 20%.
4030	4060	Limestone as above 70%; shale and claystone as above 30%.
4060	4070	Limestone as above 90%; shale and claystone as above 10%.
4070	4090	Limestone as above 60%; shale and claystone as above 40%; trace dolomite, white to tan, dense; trace sandstone, white, fine grained, sugary (increase in gray and gray green shale and claystone).
4090	4100	Limestone as above 80%; shale and claystone as above but less gray and green 20%.
4100	4110	Shale and claystone, gray, gray-green, dark green, maroon, some silty to sandy 60%; limestone, white orange, dense, silty 40% (Trip sample - possibly much caving)
4110	4130	Limestone as above 70%; shale and claystone as above 30%.
4130	4140	Shale and claystone as above 60%; limestone as above 40%.
4140	4160	Shale and claystone, variegated (mainly gray, gray-green and blue green) 70%; limestone as above 30%.
4160	4170	Shale and claystone as above 80%; limestone as above 20%; trace limestone and dolomite, pink to red, dense.

From	To	
4170	4180	Limestone, some white, earthy but mainly pink to red, dense, silty to sandy 50%; shale and claystone variegated but more red to maroon, some limy 50%.
4180	4210	Limestone as above 70%; shale and claystone as above 30%.
4210	4220	Limestone as above 40%; shale and claystone as above 30%; limestone, white to pink, very silty to sandy, finely micaceous, earthy to granular 30%, trace sandstone, white, very fine grained, dolomitic, sugary (Limestone lithologies gradational).
4220	4230	Limestone, white, pale pink to red, very silty to fine sandy, finely micaceous, some clayey but mostly granular. 60%; shale and claystone as above 30%; sandstone, white, very fine grained, very limy, rounded well sorted grains, sugary texture 10%.
4230	4240	Limestone as above but less sandy 90%; shale and claystone as above 10%; trace sandstone as above.
4240	4250	Limestone as above 80%; shale and claystone as above 10%; sandstone as above 10%.
4250	4260	Limestone as above 80%; shale and claystone as above 20%; trace sandstone as above.
4260	4290	Limestone as above becoming red-orange colored; trace sandstone as above.
4290	4300	Limestone as above (red-orange) 90%; shale, dark red to maroon 10%.
4300	4320	Shale, dark red to maroon, limy in part 60%; limestone as above 40%.
4320	4330	Shale, dark red, maroon, gray, gray-green, 80%; limestone as above 20%.
TOP OF SHINARUMP FORMATION		
4330	4340	Shale, dark red, maroon, purple, gray, gray-green (strong increase to gray, green and purple) 60%; sandstone, white to purple, limy, micaceous, junky 20%; siltstone, purple, very limy, micaceous 20%.
4340	4350	Siltstone, gray-green to purple, micaceous, very limy 50%; sandstone, white to green to purple, limy micaceous, junky 30%; shale, variegated 20%.
TOP OF MOENKOPI FORMATION		
4350	4370	Siltstone as above 80%; shale, variegated 20%; trace sandstone as above (color change from purple to red with less green @ 4360-70.)

From	To	
4370	4380	Siltstone as above becoming less limy 60%; shale, variegated (mainly red) 40% (Some siltstone has arkosic appearance).
4380	4390	Siltstone, pale green to purple, variably limy, finely micaceous 70%; shale, variegated (mainly red) 30%.
4390	4410	Siltstone and sandstone, pale green, very fine grained to fine grained, variably limy, micaceous; trace shale variegated (Dead oil residue and shiny black needle-like crystals of a gilsonite appearing material spotty. No cut with CCl4. Faint, very spotty fluorescence).
TOP OF SINBAD LIMESTONE MBR. OF MOENKOPI FM.		
4410	4430	Siltstone and sandstone as above 60%; limestone, gray to gray-green, dense, fine crystalline 30%; shale, variegated (red-green) 10% (Siltstone, sandstone and limestone all gradational one into other. Limestone has strong sulfur odor on contact with HCl.)
4430	4440	Siltstone and sandstone as above 40%; limestone as above 40%; shale as above 20% (Asphaltic residue very sparse).
TOP OF LOWER MOENKOPI FM.		
4440	4450	Shale and claystone, variegated (red-green), silty in part 50%; siltstone and sandstone as above 40%; limestone as above 10%.
4450	4520	Shale and claystone, variegated (mainly cinnamon red with green), some silty to fine sandy, some very finely micaceous, some limy; trace limestone, white, earthy 4450-70; (increase in purple claystone 4470-80, increase in limy character below 4490).
4520	4540	Shale and siltstone, variegated (mainly cinnamon red with green), silty to sandy, some finely micaceous, variably limy (increase in sandiness @ 4530).
4540	4550	Shale and siltstone as above 90%; sandstone, pink to red-purple, junky, limy, micaceous 10%; trace limestone, white, gray to red-purple, dense (very spotty brown oil stain in sandstone and limestone. Slight cut with CCl4. Strong sulfur odor on contact with HCl).
4550	4570	Shale and siltstone as above 70%; sandstone as above 30%; trace limestone as above (No shows).
4570	4580	Sandstone, pink to red, fine to occasionally coarse grained, poorly sorted, junky, micaceous, very limy 60%; shale and siltstone, dark red 40%; trace limestone, gray, gray-green, red, dense.

From	To	
4580	4590	Sandstone as above 80%; shale and siltstone as above 20%; trace limestone as above.
4590	4600	Sandstone and conglomerate, pink to red-purple, fine to coarse irregularly sorted quartz grains, few chert fragments and limestone-claystone pebbles in red limy, often quartzitic matrix 40%; shale, red, micaceous 30%; claystone, gray to dark green and lavender, dense 30%.
4600	4630	Sandstone - conglomerate as above 50%; shale as above 40%; claystone as above 10%.
4630	4650	Sandstone - conglomerate, fine to coarse irregularly sorted quartz grains and pebbles with fragments of limestone in red, limy, dense, often quartzitic matrix (limestones range from white, yellow, gray, red and all are fine crystalline and dense) 80%; shale, red 20%.
4650	4670	Shale and claystone, variegated (maroon-green), variably limy and silty 50%; sandstone-conglomerate as above 50%.
4670	4680	Shale-claystone, variegated as above 90%; sandstone-conglomerate as above 10%; trace dolomite; trace quartz pebbles.
4680	4700	Shale-claystone as above 70%; limestone, white, gray, pink, red, dense, silty to sandy, granular 30%; tr. sandstone-conglomerate as above; trace quartz pebbles.
4700	4730	Shale-claystone as above 90%; limestone as above 10%; trace sandstone-conglomerate as above; tr. quartz pebbles. (Shale-claystone becoming less limy below 4700)
4730	4735	Sandstone, white, fine to coarse grained, poorly sorted, white siliceous cement, very dense and tight 70%; claystone, red and maroon 30%; trace quartz pebbles. (Drilling break 4728-36).
4735	4740	Sandstone as above 50%; claystone as above 50%.
4740	4760	Claystone-shale, red and maroon, some silty 80%; sandstone as above 20%; trace quartz pebbles.
4760	4770	Claystone, mottled and streaked, white, pale green through purple, some soft, earthy, some dense, siliceous, coarse quartz grains and pebbles enclosed 60%; sandstone, white, fine to medium grained, white clayey to siliceous cement 20%; shale, red and maroon, silty 20%.

From	To	
4770	4790	Claystone as above 60%; shale as above 40%; trace sandstone as above.
4790	4820	Claystone as above 70%; shale as above 30%.
4820	4830	Claystone and shale, gray, maroon, green, purple 60%; claystone, mottled as above 40%; trace sandstone as above.
4830	4840	Claystone and shale as above 60%; claystone, mottled as above 20%; sandstone, white to pink, fine to medium grained clayey 10%; limestone-dolomite, gray to red, dense 10% (drilling break 4834-37).
4840	4850	Claystone and shale as above 60%; claystone, mottled as above 20%; sandstone as above 20%; trace limestone-dolomite as above. (Drilling break 4840-42).
4850	4860	Claystone and shale as above 70%; claystone, mottled as above 20%; sandstone as above 10%; trace limestone-dolomite as above.
4860	4865	Sandstone, white through purple and black, angular, poorly sorted grains, dense, quartzitic, limonitic, hematitic, occasionally coarsely micaceous 60%; shale, variegated 40%; trace limestone dolomite as above.
4865	4870	Shale, variegated 70%; sandstone as above 30%; trace limestone dolomite as above.
4870	4880	Shale, variegated 80%; sandstone as above 10%; limestone-dolomite, gray to red, dense, some silty 10%.
4880	4890	Shale, variegated 90%; sandstone as above 10%; trace limestone-dolomite as above.
4890	4900	Shale, variegated; trace sandstone as above; trace limestone-dolomite as above.
4900	4910	Shale, variegated 70%; sandstone as above 20%; limestone-dolomite as above 10%.
T.D. 4910 in Moenkopi or Cutler (?) formation.		

001101821

JAMES E. MENOR
1645 COURT PLACE
DENVER 2, COLORADO

October 14, 1957

Mr. C. B. Feight, Secretary
State of Utah
Oil and Gas Conservation Commission
Salt Lake City 14, Utah

*Noted
C.B.F.
10/15/57*

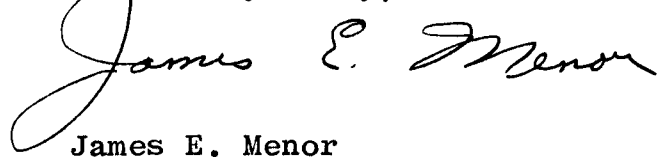
Dear Mr. Feight:

Would you please acknowledge receipt of OGCC
Form #2, Affidavit and Record of Abandonment and
Plugging, of the James E. Menor-George Aubrey
#1 Government well located in Section 21, T22S,
R19E, Grand County, Utah.

It is my understanding that you will return to us
one copy of this Affidavit, approved by the State.
If this is correct, I would certainly appreciate
receiving the approved copy at your earliest con-
venience.

Thank you very much.

Yours very truly,


James E. Menor

JEM/lo

October 15, 1957

James E. Menor
1645 Court Place
Denver 2, Colorado

Dear Sir:

With reference to your letter of October 14, 1957, returned herewith is an approved copy of Form OGCC-2, Affidavit and Record of Abandonment and Plugging, for Well No. Government 1, located in Section 21, Township 22 South, Range 19 East, SLBM, Grand County, Utah.

It has not been our policy in the past to return an approved copy of Form OGCC-2, but if you so desire, we will be glad to do so.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:en